SC ALIR System Test Plan

Feb 19, 2004

SC ALIR System
End to End Test Plan

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Test Case	Input/Test Files	Expected Output Test Results –Phoenix Response	Test Date	Results
The following tests will be conducted by all 4 communication methods: 1. Text/FTP: A single file will be created to cover all test cases. The file will be sent to the SC ALIR FTP server. 2. EDI/FTP: A single file will be created to cover all test cases. The file will be sent to the SC ALIR FTP server. 3. EDI/VAN: A single file will be created to cover all test cases. The file will be sent to the test VAN mailbox. 4. Web: A separate transaction will be entered for each test case.				
Cancellation of an actively registered vehicle	Vehicle and Customer information from Phoenix database for an actively registered vehicle	1. An FR4 registration suspension (FR-02) will be generated for the vehicle. 2. A corresponding suspension letter (FR4) will be created for the primary registered owner/lessee of the vehicle 3. The letter will include an FR4 Reference Number 4. Letter will inform the customer that he/she has 45 days from notification to provide SC DMV with proof of insurance.		
Compliance Transaction with Policy Effective Date before Cancellation Date	Vehicle, Customer, and Suspension information from Phoenix database for an actively registered vehicle with pending suspension	1. The compliance will fulfill the requirements of the FR02 suspension. Full clearance will be achieved. 2. A clearance letter will be sent to the customer		
Compliance Transaction with Policy Effective Date same as Cancellation Date	Vehicle, Customer, and Suspension information from Phoenix database for an actively registered vehicle with pending suspension	1. The compliance will fulfill the requirements of the FR02 suspension. Full clearance will be achieved. 2. A clearance letter will be sent to the customer		
Compliance Transaction with Policy Effective Date after Cancellation Date and before	Vehicle, Customer, and Suspension information from Phoenix database for an actively registered vehicle with pending	1. The compliance will clear the suspension. 2. A per diem fine will be calculated from cancellation date and a registration stop added to the vehicle. 3. A letter will be created the customer informing him/her of the registration stop.		

Test Case	Input/Test Files	Expected Output Test Results –Phoenix Response	Test Date	Results
Suspension Date	suspension			
Compliance Transaction with Policy Effective Date equal to Suspension Date	Vehicle, Customer, and Suspension information from Phoenix database for an actively registered vehicle with pending suspension	1. The compliance will clear the suspension. 2. A per diem fine will be calculated from cancellation date and a registration stop added to the vehicle. 3. A letter will be created the customer informing him/her of the registration stop.		
Compliance Transaction with Policy Effective Date after the Suspension Date	Vehicle, Customer, and Suspension information from Phoenix database for an actively registered vehicle with pending suspension	1. The appropriate compliance requirement will be removed from the FR02 suspension and the vehicle will remain suspended until both the per diem fine and the reinstatement fees are collected. 2. The per diem fine will be calculated from the cancellation date. 3. A letter will be created for the customer informing him/her of the additional compliance requirements.		
Missing Fields	Following missing fields in separate transactions 1. Transaction Type 2. Insurer's NAIC Number 3. Insurer's Policy Number 4. Policy Effective Begin Date 5. Policy Cancellation Date (for XLC transactions only) 6. Policy Cancellation Reason Code (for XLC transactions only)	ALIR Response - Error should be generated with corresponding error codes. Data will not reach Phoenix.		

Test Case	Input/Test Files	Expected Output Test Results –Phoenix Response	Test Date	Results
	7. VIN 8. Vehicle Make 9. Vehicle Model 10. Customer Type 11. Customer's Drivers License Number (for customer type=1 only) 12. Customer's Federal Tax ID (for Customer Type =2 only) 13. Customer's Last Name 14. Customer's First Name (for customer type=1 only) 15. Customer's Address fields 16. Customer's Date of Birth (for customer type=1 only) 17. FR-4 Reference Number (for NBS Transactions only)			
Invalid Data in Fields	Following fields with invalid data in separate transactions 1. Transaction Type 2. Insurer's NAIC Number (mismatch with submitting	Error should be generated with corresponding error codes.		

Test Case	Input/Test Files	Expected Output Test Results –Phoenix Response	Test Date	Results
	insurer) 3. Policy Effective Begin Date (date in the future) 4. Policy Cancellation Date (date in the future) 5. Policy Cancellation Reason Code 6. VIN 7. Vehicle Make 8. Customer Type 9. FR-4 Reference Number			

Test Case	Input/Test Files	Expected Output Test Results – Phoenix Response	Test Date	Results
The following test cases will be tested only over the web				
Valid SR26 transaction	Active SR22 policy and customer information from Phoenix. Effective Cancellation Date more than 10 days in the future and less than 40 days in the future.	1. FR11 suspension will be generated. 2. An FR11 suspension notification letter will be generated. 3. The FR11 suspension letter will inform the customer that he/she has 15 days from notification date to obtain SR22 insurance.		
SR22 Transaction with Policy Effective Date before Cancellation Date	Information from Phoenix database for an actively registered vehicle with pending FR11 suspension	1. The FR11 suspension will be cleared. 2. A clearance letter will be sent to the customer.		
SR22 Transaction with Policy Effective Date equal to Cancellation Date	Information from Phoenix database for an actively registered vehicle with pending FR11 suspension	1. The FR11 suspension will be cleared. 2. A clearance letter will be sent to the customer.		
SR22 Transaction with Policy Effective Date after Cancellation Date and before Suspension Date	Information from Phoenix database for an actively registered vehicle with pending FR11 suspension	1. The FR11 suspension will be cleared and a customer-level stop will be applied to the customer number. 2. The per diem fee must be paid to clear the stop and will be calculated from the cancellation date. 3. The Customer Stop letter will be automatically generated.		
SR22 Transaction with Policy Effective Date equal to Suspension Date	Information from Phoenix database for an actively registered vehicle with pending FR11 suspension	1. The FR11 suspension will be cleared and a customer-level stop will be applied to the customer number. 2. The per diem fee must be paid to clear the stop and will be calculated from the cancellation date. 3. The Customer Stop letter will be automatically generated.		
SR22	Information from	1. The FR11 suspension will not be cleared.		

Test Case	Input/Test Files	Expected Output Test Results – Phoenix Response	Test Date	Results
Transaction with Policy Effective Date after the Suspension Date	Phoenix database for an actively registered vehicle with pending FR11 suspension	2. Reinstatement Fees Required letter will be automatically generated.		

SC ALIR System

Website Test Plan

Test Case	Inputs	Expected Output/Result	Test Date/ Test Data	Test Result
Login – Valid	a) Username, password (at least 4 characters each). a) User must be registered and activated. (Titan -13242 and NationWide - 10723 was used for Development Test)	a) A cookie is set on the client. b) Insurers: User Home is displayed with user and company name on top. c) Administrators: Administration Home is displayed with user name on top.	Development - 2/3/2004	Developoment - OK
Login – Invalid	a) Username or password is not entered. b) Username and/or password less then 4 characters. c) User is not registered. d) User is not active.	User is displayed a specific message showing why they were not authenticated.	Developoment - 2/3/2004	Developoment - OK
Registration - Valid	a) All required fields are provided. b) NAIC Number is 5 digits long and exists in the INSURANCE PROVIDER table in Phoenix. c) Username and password are at least 4 characters each. d) If data type is selected as 'EDI', all EDI information is provided. (Titan - 13242 was used for Development Testing)	a) User information is entered into database and a success message is displayed. b) If the NAIC No, or the User Name already exist in the database, the user will be shown an error message to indicate that.	Developoment - 2/3/2004	Developoment - OK
Registration – Invalid	a) Missing required field(s) b) NAIC Number is not 5 Digits long or is not in INSURANCE PROVIDER table in Phoenix. c) Username or Password is less then 4 characters. d) Email is invalid format. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	A specific message is displayed to the user showing why the form could not be submitted.	Developoment - 2/4/2004	Developoment - OK
FR4 Begin Transaction	a) Required fields are provided. b) Both Effective and cancellation dates are in the past. (Naic_No-12912 was used for Development	Policy information is saved in database and user is taken to the Transaction Details page where Vehicle and Customer information can be added to the transaction.	Developoment - 2/4/2004	Developoment - OK

Test Case	Inputs	Expected Output/Result	Test Date/ Test Data	Test Result
	Testing)			
Vehicle addition (Valid Phoenix VIN)	a) Vehicle information could only be added to FR4 Transactions. b) User provides a VIN that can be up to 30 digits in length. c) The VIN must exist in VEHICLE table in Phoenix database. d) User clicks on continue to add the vehicle to the transaction. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	a) User is shown the vehicle information retrieved from Phoenix. This includes YEAR, MAKE, and MODEL of the vehicle. b) If the vehicle already exists in the current transaction, an error message is displayed. c) A vehicle is added to the transaction and vehicle information is saved in the database along with Phoenix Vehicle_No.	Developoment - 2/4/2004	Developoment - OK
Vehicle addition (Invalid Phoenix VIN - (for FR4 only)	a) User enters a VIN that does not exist in Phoenix database. b) User is asked to provide a new VIN or Continue with the unmatched VIN. c) User chooses to continue with the unmatched VIN, and provides further vehicle information. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	a) Unmatched vehicle information is saved in the database with the current transaction ID and without a Phoenix Vehicle_No. b) If the vehicle already exists, an error message is displayed.	Developoment - 2/4/2004	Developoment - OK
Customer Addition	a) A customer can only be added to an FR4 transaction. b) User chooses 'Individual' or 'Organization' as type of customer. b) User provides required fields c) For Individual customer type, name and valid Date of Birth must be provided. d) For Organization customer, Name and Federal Tax ID must be provided.	a) A record is saved in the database and the customer is added to the FR4 transaction. b) If any required information is missing an error is shown accordingly.	Developoment - 2/4/2004	Developoment - OK
FR4A Begin Transaction	a) A numeric FR4 Compliance Number is provided.	a) User is taken to another page where vehicle and customer details are shown for the matching Compliance number.	Developoment - 2/4/2004	Developoment - OK

Test Case	Inputs	Expected Output/Result	Test Date/ Test Data	Test Result
	b) Compliance number must match in Phoenix database in COMPLIANCE_RQMT_HEADER table. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	b) If the Compliance number matches, but there is no related Vehicle or Customer information, the user gets an error message asking them to contact help desk.		
Edit Policy Info (FR4)	a) No required fields are missing. b) Both Effective and cancellation dates are in the past. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	Policy information is Updated in the database and user is taken to the Transaction Details page.	Developoment - 2/4/2004	Developoment - OK
Edit Policy Info (FR4A)	a) No required fields are missing. b) Effective End Date must be in the future. c) Effective Begin Date must occur before Effective End Date. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	Policy information is Updated in the database and user is taken to the Transaction Details page.	Developoment - 2/4/2004	Developoment - OK
Edit Policy Info (SR22)	a) No required fields are missing. b) Effective End Date must be in the future. c) Effective Begin Date must occur before Effective End Date. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	Policy information is Updated in the database and user is taken to the Transaction Details page.	Developoment - 2/4/2004	Developoment - OK
Edit Policy Info (SR26)	a) Policy No. and Effective Date are read-only. b) Required fields (Cancellation date and reason) are provided. c) For cancellations due to non-payment, Cancellation Date must occur ninety days after the Effective Begin Date. (Naic_No =10723 - Nationwide Assurance Company was used for Development Testing)	Policy information is Updated in the database and user is taken to the Transaction Details page.	Developoment - 2/4/2004	Developoment - OK

Test Case	Inputs	Expected Output/Result	Test Date/ Test Data	Test Result
Submit Transaction (FR4)	a) Policy information is complete. b) The transaction has at least one vehicle and one customer associated with it. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	Transaction Status is updated in database and user is taken to the Insurer home page.	Developoment - 2/4/2004	Developoment - OK
Submit Transaction (FR4A)	a) Policy information is complete. b) The transaction has a valid Compliance No. associated with it. A valid Phoenix vehicle and a customer are associated with the transaction. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	Transaction Status is update in database and user is taken to the Insurer home page.	Developoment - 2/4/2004	Developoment - OK
Submit Transaction (SR22)	a) Policy information is complete. b) A valid customer has been found using the driver's license number of the customer. c) If the SR22 type is restricted or non-restricted, at least one Vehicle is associated with the transaction. d) For Motorcycle SR22's, at least one motor cycle is associated with the transaction. e) For Non-Owners SR22's there should be no vehicle associated with the transaction. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	Transaction Status is updated in the database and user is taken to the Insurer home page.	Developoment - 2/4/2004	Developoment - OK
Submit Transaction (SR26)	a) Policy information is complete. b) The transaction has at least one valid customer associated with it based on the policy information from Phoenix. c) There are no vehicles associated with the policy. (Naic_No =12912 - Credit General Insurance was used for Development Testing)	Transaction Status is updated in database and user is taken to the Insurer home page.	Developoment - 2/4/2004	Developoment - OK

Test Case	Inputs	Expected Output/Result	Test Date/ Test Data	Test Result

Administration - Activate User	a) User must be logged in as an administrator.
	b) The User being activated must be either,
	   - Registered as a new insurer. Or
	   - Made InActive earlier for another reason.
	c) The 'Activate' link on the right side of the user information must be clicked to activate user.
	(Naic_No =12912 - Credit General Insurance was used for Development Testing)
		a) User status is set to A-activated in the database
		b) The activated user is now able to log on to the website.
			Developoment - 2/4/2004	Developoment - OK

SC ALIR System

EDI and Text File Processing Test Plan

EDI and Text Processing Modules –Test Plan

Test Case	Expected Output Test Results	Test Date	Results
Properly formatted inbound text file	**File will be processed and data will be inserted into database**	Development - 2/4/2004	Development - OK
Inbound Text File Invalid NAIC_NO in the header	No data will be processed and an error file will be created and placed in the Outbound FTP Folder for insurer	Development - 2/4/2004	Development - OK
Inbound Text File Invalid tags. One of the records has tag name DTA instead of DTL	No data will be processed and an error file will be created and placed in the Outbound FTP Folder for insurer	Development - 2/4/2004	Development - OK
Inbound Text file containing a NBS transaction without FR4 Compliance Number	The NBS transaction without the FR4 Compliance Number will not be inserted into database and an error file will be created. The rest of the data will be inserted into database.	Development - 2/4/2004	Development - OK
No header in the inbound text file	No data will be processed and an error file will be created and placed in the Outbound FTP Folder for insurer	Development - 2/4/2004	Development - OK
PGP Encrypted inbound file containing Invalid NAIC Number in the Header	No data will be processed and an PGP encrypted error file will be created and placed in the Outbound FTP Folder for insurer	Development - 2/4/2004	Development - OK

Test Case	Expected Output Test Results	Test Date	Results
PGP Encrypted inbound file containing no header and encrypted with an incorrect public key	No data will be processed and an PGP encrypted error file will be created and placed in the Outbound FTP Folder for insurer	Development - 2/4/2004	Development - OK
PGP Encrypted inbound file containing no header and encrypted with an incorrect public key PassPhrase.	No data will be processed and an PGP encrypted error file will be created and placed in the Outbound FTP Folder for insurer	Development - 2/4/2004	Development - OK
Outbound Text File for SSL partner	Outbound folder will have an Outbound text file with 2Policies, 3 vehicles.	Development - 2/4/2004	Development - OK
Outbound Test with PGP	Outbound folder will have an encrypted Outbound text file with 2Policies, 3 vehicles.	Development - 2/4/2004	Development - OK
Properly formatted inbound EDI file	• File will be processed and data will be inserted into database • Positive acknowledgement 997 will be created and placed in the outbound folder.	Development - 2/4/2004	Development - OK
Inbound EDI file with invalid NAIC no	An EDI 997 negative acknowledgement will be created and placed in the outbound folder	Development - 2/4/2004	Development - OK

Test Case	Expected Output Test Results	Test Date	Results
Inbound EDI file containing an NBS transaction without FR4 compliance number	An EDI 997 negative acknowledgement will be created and placed in the outbound folder.	Development - 2/4/2004	Development - OK
Inbound EDI file with containing XLC transaction without Cancel reason code	An EDI 997 negative acknowledgement will be created and placed in the outbound folder.	Development - 2/4/2004	Development - OK